ACOI TOSCANA 2014



Up to date: evidenze della letteratura internazionale riguardo indicazioni e risultati della chirurgia laparoscopica del retto

Matteo Franceschi M.D.

Chirurgia laparoscopica del retto stato dell'arte su risultati a breve e lungo termine

• SHORT-TERM OUTCOME

- LONG-TERM OUTCOME
- RAPPORTO OUTCOME/CASE LOAD
- TEAM MULTIDISCIPLINARE

FONTI

METANALISI:

	Annals of Surgical Oncology, 13(3): 413–424 DOI: 10.1245/ASO.2006.05.045
6	Laparoscopic Versus Open Surgery for Rectal Cancer

A Meta-Analysis

- OHTANI ET AL. 2011 J Gastrointest Surg (2011) 15:1375–1385 A Meta-analysis of the Short- and Long-Term Results

A Meta-analysis of the Short- and Long-Term Results of Randomized Controlled Trials That Compared Laparoscopy-Assisted and Conventional Open Surgery for Rectal Cancer

ACS NSQIP 2011:

Short-Term Outcomes after Laparoscopic-Assisted Proctectomy for Rectal Cancer: Results from the ACS NSQIP

RCT:

Laparoscopic versus open surgery for rectal cancer (COLOR II): short-term outcomes of a randomised, phase 3 trial Lancet Oncol 2013; 14: 210-18

Martijn H G M van der Pas, Eva Haglind, Miguel A Cuesta, Alois Fürst, Antonio M Lacy, Wim C J Hop, Hendrik Jaap Bonjer, for the COlorectal cancer Laparoscopic or Open Resection II (COLORII) Study Group*

Open versus laparoscopic surgery for mid or low rectal cancer after neoadjuvant chemoradiotherapy (COREAN trial): short-term outcomes of an open-label randomised Lancet Oncol 2010; 11: 637–45 controlled trial

- AZIZ ET AL. 200

Randomized Trial of Laparoscopic-Assisted Resection of Colorectal Carcinoma: 3-Year Results of the UK MRC CLASICC Trial Group JOURNAL OF CLINICAL ONCOLOGY

Sung-Bum Kang, JiWan Park, Seung-Yang Jeang, Byung Ho Nam, Hyo Seong Chai, Duck-Woo Kim, Seak-Byung Lim, Taek-Gu Lee, Dae Yang Kim, Jae-Sung Kim, Hee Jin Chang, Hye-Seung Lee, Sun Yaung Kim, Kyung Hae Jung, Yang Sang Hong, Jee Hyun Kim, Dae Kyung Sohn, Dae-Hyun Kim, Jae Hwan Oh

Caratteristiche degli studi

Annals of Surgical Oncology, 13(3): 413–424 DOI: 10.1245/ASO.2006.05.045

Laparoscopic Versus Open Surgery for Rectal Cancer: A Meta-Analysis

Omer Aziz, MRCS, BSc, Vasilis Constantinides, MBBS, Paris P. Tekkis, MD, FRCS, Thanos Athanasiou, PhD, FECTS, Sanjay Purkayastha, MRCS, BSc, Paraskevas Paraskeva, PhD, FRCS, Ara W. Darzi, FRCS, KBE, and Alexander G. Heriot, MD, FRCS

Endopoints : operative outcomes, postoperative recovery, and early and late adverse events.

in this analysis.³⁹ Twenty studies published between 1993 and 2004 that matched the selection criteria and compared laparoscopic rectal cancer surgery with open rectal cancer surgery for rectal cancer were therefore included in this meta-analysis. These included a combined total of 2071 subjects, of which 909 (44%) underwent laparoscopic rectal cancer surgery and 1162 (56%) underwent open rectal cancer

Major weaknesses:

- Patients not matched for <u>tumour grade</u>, <u>stage</u> and <u>adjuvant treatment</u>, all factors affecting outcomes
- Only 3 prospective randomized trials
- Only 1 trial focused on rectum (CLASICC)
- Surgeons varying experience -> CLASICC reported conversion rate: 34%!

Caratteristiche degli studi

J Gastrointest Surg (2011) 15:1375-1385 DOI 10.1007/s11605-011-1547-1

ORIGINAL ARTICLE

A Meta-analysis of the Short- and Long-Term Results of Randomized Controlled Trials That Compared Laparoscopy-Assisted and Conventional Open Surgery for Rectal Cancer

Hiroshi Ohtani • Yutaka Tamamori • Takashi Azuma • Yoshihiro Mori • Yukio Nishiguchi • Kiyoshi Maeda • Kosei Hirakawa

A significant heterogeneity between studies was observed only for short-term outcomes, including operative time, duration of hospital stay, time to oral diet, and cost of surgery. In the long-term period, we found no significant We identified <u>12 papers reporting results of randomized</u> <u>controlled trials</u> that compared laparoscopic and open surgery for rectal cancer.³⁻¹⁸ The characteristics of each randomized controlled trial are presented in Table 1. Our meta-analysis included 2,095 patients with <u>rectal cancer</u>; of these, 1,096 had undergone laparoscopic surgery, and 999 had undergone conventional open surgery. Short-term and

-Only **studies in English** were included, which may have increased the risk of language bias.

-A basic assessment of trial **quality** was made. <u>Half of included</u> <u>studies were of low quality</u>. It appeared that the authors did not take into account study quality when they interpreted the results of the meta-analyses.

-Statistical **heterogeneity** was assessed and appropriate methods were used to pool the results.

Short-term outcomes Caratteristiche degli studi



AMERICAN COLLEGE OF SURGEONS Inspiring Quality Highest Standards, Better Outcomes



Short-Term Outcomes after Laparoscopic-Assisted Proctectomy for Rectal Cancer: Results from the ACS NSQIP

David Yu Greenblatt, MD, MSPH, Victoria Rajamanickam, MS, Andrew J Pugely, MD, Charles P Heise, MD, FACS, Eugene F Foley, MD, FACS, Gregory D Kennedy, MD, PhD, FACS

We identified 5,420 patients who underwent proctectomy for rectal cancer from 2005 to 2009 and otherwise met inclusion criteria for the study. LAP was used in 1,040 (19.2%), and 4,380 patients had open resection. Table 1



Major limitations:

• Voluntary program (not a valid

sample)

- No stratification for stage
- No volume/outcome
- <u>NON RANDOM ASSIGNMENT OF</u>

PATIENTS TO TREATMENT

Short-term outcomes Caratteristiche degli studi

Lancet Oncol 2013; 14: 210–18 Methods A non-inferiority phase 3 trial was undertaken at 30 centres and hospitals in eight countries. Patients (aged ≥18 years) with rectal cancer within 15 cm from the anal verge without evidence of distant metastases were randomly assigned to either laparoscopic or open surgery in a 2:1 ratio, stratified by centre, location of tumour, and preoperative radiotherapy. The study was not masked. Secondary (short-term) outcomes-including operative findings,

1103 pts 699 lap operations

COREAN trial



exclusion of patients with T3 rectal cancer within 2 mm from the endopelvic fascia or T4 cancers. Therefore, the findings in this study are not applicable to all patients with rectal cancer.

Laparoscopic and open procedures weren't necessarly performed by the same surgeon

Lancet Oncol 2010; 11: 637-45

Methods Between April 4, 2006, and Aug 26, 2009, patients with cT3N0-2 mid or low rectal cancer without distant metastasis after preoperative chemoradiotherapy were enrolled at three tertiary-referral hospitals. Patients were randomised 1:1 to receive either open surgery (n=170) or laparoscopic surgery (n=170), stratified according to sex and preoperative chemotherapy regimen. Short-term outcomes assessed were involvement of the circumferential

340 pts 50% lap operations

Our study had some limitations. First, we did not collect

data on the immediate QoL outcomes at 1 week or 1 month after surgery, when QoL scores are lower and difference between the two groups, which should be adjusted for between the two groups might have been more pronounced long-term oncological analysis. Third, the 15% non-Representative trials have shown that most QoL scale inferiority margin for sample size is large, but has been

and after-pretreatment pathological N classification mid or low rectal cancer that can accrue in three hospitals

The sample size for this study was based on a non-show improvement by 2-3 months after surgery.14 used in previous studies' and was based on practical inferiority design. The expected 3-year DFS for the open Second, there were differences in the distribution of TRC constraints because of the number of patients with cT3N0-2

COLOR II

Short-term outcomes Caratteristiche degli studi

Randomized Trial of Laparoscopic-Assisted Resection of Colorectal Carcinoma: 3-Year Results of the UK MRC CLASICC Trial Group VOLUME 25 · NUMBER 21 · JULY 20 2007

JOURNAL OF CLINICAL ONCOLOGY

This was a multicenter, randomized, controlled, open, and parallel group trial comparing laparoscopic-assisted surgery with conventional open surgery in patients suitable for right, left, or sigmoid colectomy, AR or APR. Details of

Performed early on the learning curve:

- high conversion rate (33% -> 18%)
- CRM + (12% vs 5%) -> DFS and OS = a 7 anni

- **1. PERIOPERATORI**
- Tempi chirurgici
- Numero di linfonodi
- Perdite ematiche stimate
- Positività margine
- circonferenziale (CRM)
- Tasso di conversione

2. ESITI

- Mortalità periperatoria
- Durata degenza
- Deiscenza anastomotica
- Canalizzazione
- Ripresa dell'alimentazione

1. PERIOPERATORI

Study	operati	ve time		er of LN ested	transfusior	ood n/estimated d loss	Pos Cł	Conversio n rate			
	lap	open	lap	open	lap	open	lap	open			
Aziz et al.	Lap > m	40,18 in	Ŭ	ificative rence	0	ificative rence	9,5% 10,8%		NA		
Ohtani et al.	Lap > m	40,96 in	U	ificative rence	laparo	ours scopy < mL	no sig	NA			
ACS NSQIP	242 min	219 min	NA	NA	no significative difference		U		NA	NA	NA
CLASICC	180 min	135 min	NA	NA	NA NA		12%	6%	34%		
COREAN	245 min	197 min	18	17	200 217,5 mL mL		170		2,9%	4,1%	1,20%
COLOR II	240 min	188 min	13	14	200 mL	400 mL	10%	10%	17%		

2. ESITI

Study	-	erative tality		o stoma oning	Feeding	g solids		(days) osp stay	Anastomotic leak rate	
Study	lap	open	lap	open	lap	open	lap	open	lap	open
Aziz et al.	3,1%	3,2%	< 1,72	a days	< 1,52	e days	Lap < 4,74		8,4%	6,7%
Ohtani et al.	U	ificative rence	NA	NA	NA	NA	Lap <	< 3,61	no significative difference	
ACS NSQIP	0,6%	1,1%	NA	NA	NA	NA	5 7		no significative difference	
CLASICC	4%	5%	NA	NA	6 days	6 days	11	13	NA	NA
COREAN	NA	NA	NA	NA	85h	93h	8	9	1,2%	0%
COLOR II	1%	2%	NA	NA	NA	NA	NA	NA	13%	10%

Laparoscopic versus open total mesorectal excision for rectal cancer (Review)

2008

Objectives

To evaluate whether there are any relevant differences in safety and efficacy after elective LTME, for the resection of rectal cancer, compared with OTME.



80 studies were identified of which 48 studies, representing 4224 patients, met the inclusion criteria. Methodological quality of most of the included studies was poor; three studies were grade 1b (individual randomised trial), 12 grade 2b (individual cohort study), 5 grade 3b (individual case-control study) and 28 grade 4 (case-series). As only one RCT described primary outcome, 3-year and 5-year

disease-free survival rates, no meta-analyses could be performed. No significant differences in terms of disease-free survival rate, local recurrence rate, mortality, morbidity, anastomotic leakage, resection margins, or recovered lymph nodes were found. There is evidence that LTME results in less blood loss, quicker return to normal diet, less pain, less narcotic use and less immune response. It seems likely that LTME is associated with longer operative time and higher costs. No results of quality of life were reported.

Long-term outcome

Scarse evidenze tuttavia...

Cochrane 2012 : laparoscopic surgery for cancer of the upper rectum is feasible. *Long term results of COLORECTAL cancer resection*

 Metanalisi: Ohtani et al.
 Overall recurrence
 NO SIGN

 Local recurrence
 Disease-free survival at 5 years after surgery
 NO SIGN

 CLASICC trial 2012
 Distant metasis
 Distant metasis

 Distant metasis
 Distant
 Distant

Study	number of cases		Overall Survival			DFS (70 months) Recurrence years)		Recurrence (10		ant isis (10 rs)	
	lap	open	lap	open	lap	open	lap	open	lap	open	
CLASICC	189	87	no sign diff		no sig	n diff	no sig	n diff	no sign diff		

Long-term outcome

Long-Term Morbidity and Oncologic Outcomes of Laparoscopic-Assisted Anterior Resection for Upper Rectal Cancer: Ten-Year Results of a Prospective, Randomized Trial

Simon S. M. Ng, F.R.C.S.Ed.(Gen.) • Ka Lau Leung, M.D., F.R.C.S.(Edinb.) Janet F. Y. Lee, M.D., F.R.C.S.Ed.(Gen.) • Raymond Y. C. Yiu, F.R.C.S.Ed.(Gen.) Jimmy C. M. Li, F.R.A.C.S. • Sophie S. F. Hon, F.R.C.S.Ed.(Gen.)

DISEASES OF THE COLON & RECTUM VOLUME 52: 4 (2009)

METHODS: From September 1993 to October 2002, 153 patients with upper rectal cancer were randomly assigned to receive either laparoscopic-assisted (n = 76) or open (n = 77) anterior resection. Patients were last followed up in December 2007. Long-term morbidity, survival, and disease-free interval were prospectively recorded. Data were analyzed by intention-to-treat principle.

Long-term outcome

TABLE 4. Crude incidence of long-term morbidity									
	Lap group (n = 74)	Open group (n = 74)							
Adhesion-related bowel obstruction	2 (0)	14 (5)							
Incisional hernia	4 (4)	5 (2)							
Parastomal hernia	1 (1)	0							
Rectovaginal fistula	1 (1)	0							
Total number of patients with long-term morbidity (%)	8 (10.8%)	19 (25.7%)							
Total number of patients requiring operation for long-term morbidity (%)	6 (8.1%)	7 (9.5%)							

Patients with operative mortality (2 in the Lap group and 3 in the Open group) were excluded from analysis.

Data in parentheses are number of patients requiring reoperation unless otherwise indicated.







FIGURE 3. Cumulative probability of adhesion-related bowel obstruction (P = 0.001, log-rank test).



FIGURE 5. Overall survival after curative resection (P = 0.303, log-rank test).

Expert Opinion on Laparoscopic Surgery for Colorectal Cancer Parallels Evidence from a Cumulative Meta-Analysis of Randomized Controlled Trials

Guillaume Martel¹*, Alyson Crawford¹, Jeffrey S. Barkun², Robin P. Boushey¹, Craig R. Ramsay³, Dean A. Fergusson¹

1 Department of Surgery, Department of Epidemiology & Community Medicine, and Ottawa Hospital Research Institute, The Ottawa Hospital, University of Ottawa, Ottawa, Ontario, Canada, 2 Department of Surgery & Division of Clinical Epidemiology, McGill University, Montreal, Quebec, Canada, 3 Health Services Research Unit, University of Aberdeen, Aberdeen, Foresterhill, United Kingdom



Figure 5. Temporal summary of expert opinion in the literature pertaining to laparoscopic surgery for rectal cancer. doi:10.1371/journal.pone.0035292.g005



National Institute for Health and Clinical Excellence

Recommendations

- Laparoscopic (including laparoscopically assisted) resection is recommended as an alternative to open resection for individuals with colorectal cancer in whom <u>both</u> laparoscopic and open surgery are considered <u>suitable</u>.
- Laparoscopic colorectal surgery should be performed only by surgeons who have completed appropriate training in the technique and who perform this procedure often enough to maintain competence. The exact criteria to be used should be determined by the relevant national professional bodies. Cancer networks and constituent trusts should ensure that any local laparoscopic colorectal surgical practice meets these criteria as part of their clinical governance arrangements.
- The decision about which of the procedures (open or laparoscopic) is undertaken should be made after informed discussion between the patient and the surgeon. In particular, they should consider:
 - the suitability of the lesion for laparoscopic resection
 - the risks and benefits of the two procedures
 - the experience of the surgeon in both procedures.

Surg Endosc (2011) 25:2423–2440 DOI 10.1007/s00464-011-1805-z

GUIDELINES

Laparoscopic extraperitoneal rectal cancer surgery: the clinical practice guidelines of the European Association for Endoscopic Surgery (EAES)

> Laparoscopic surgery for middle and low rectal cancer can be recommended under optimal conditions (expert surgeons, expert centres, selected patients, excluding T4). (85.7% [Consensus]; GoR B: 85.7% [Consensus])

> The vast majority of the panel would recommend the laparoscopic approach for rectal cancer surgery. Still, upcoming results from large randomised trials are awaited to strengthen the evidence for improved short-term results and equal long-term results in comparison with open surgery.



Laparoscopic Proctectomy for Curable Cancer

The American Society of Colon and Rectal Surgeons (ASCRS) and the Society of Gastrointestinal and Endoscopic Surgeons

(SAGES) recognize that laparoscopic proctectomy may be an alternative to traditional resection of benign disease involving the rectum. The absence of five-year survival data makes it premature to endorse laparoscopic proctectomy for curable cancer. Laparoscopic proctectomy must follow traditional surgical principles and standards including adequate mesorectal excision and

the achievement of appropriate clear margins.

It is only appropriate to perform laparoscopic proctectomy for curable cancer in an environment where the outcomes can be meaningfully evaluated until laparoscopic approaches have been shown to be as efficacious as open approaches. The ASCRS and SAGES encourage the development of properly designed studies to evaluate the safety, efficacy, and benefits of this approach.

The ASCRS and SAGES consider laparoscopic proctectomy to be within the expertise of trained surgeons who focus on the treatment of rectal cancer. Development of this expertise should include observation of procedures, laboratory experience and graduated clinical responsibility as mentioned in published guidelines1,2.

- 1. Guidelines for Laparoscopic Resection of Curable Colon and Rectal Cancer. SAGES publication #32
- 2. ASCRS Practice Parameters for the Management of Rectal Cancer (Revised). Dis Colon Rectum 2005;48:411-423.

The best is yet to come...

• COLOR II Trial: long term outcome

- Randomized Controlled Trial to Evaluate Laparoscopic Surgery for Colorectal Cancer: Japan Clinical Oncology Group Study JCOG 0404 (2005)
- Prospective randomized non inferiority trial laparoscopic vs open surgery for rectal cancer ACOSOG-Z6051 American College of Surgeons Oncology Group (2008)

Rapporto risultati/volumi Studi discordanti!

Workload and surgeon's specialty for outcome after colorectal cancer surgery (Review)

Archampong D, Borowski D, Wille-Jørgensen P, Iversen LH

2012

Results for rectal cancer

significant association
 between high volume hosp
 and better 5 years DFS

significant association
 between high volume hosp
 and lower rates of
 permanent stomas

no difference in operative

Overall quality of the evidence was low as all included studies were observational by design. In addition there were discrepancies in the definitions of caseload and colorectal specialist. However ethical challenges associated with the conception of randomised controlled

THE COCHRANE COLLABORATION®



- High volume hospitals (>=130) less T1 and more T4
- High volume hospitals more comorbidities
- High volume hospitals more preop CRT and less postop RT

• 23% of patients with locally advanced rectal cancer (LARC) diagnosed in a low volume centre was referred to a high volume centre

QUALE ESPERIENZA PER IL CHIRURGO?

Laparoscopic versus open surgery for the treatment of colorectal cancer: a literature review and recommendations from the Comité de l'évolution des pratiques en oncologie

Mélanie Morneau, MSc,* Jim Boulanger, PhD,† Patrick Charlebois, MD,† Jean-François Latulippe, MD,§ Rasmy Lougnarath, MD,¹ Claude Thibault,

MD,** and <u>Normand Gervais</u>, MD⁺⁺, For the Comité de l'évolution des pratiques en oncologie Can J Surg. Oct 2013; 56(5): 297–310.

One prospective and 3 retrospective trials evaluated the impact of surgeon experience on oncologic outcomes following rectal cancer resection.

.....operative duration decreased significantly with the number of interventions performed.

.....Park and colleagues observed a plateau after **90 interventions** followed by a decrease in operative duration...

....Ito and colleagues reported that operative duration decreased from 228 to 179 minutes after more than **40 interventions**.....

<u>All 4 trials also showed a significant decrease in postoperative</u> <u>morbidity as the surgeon gained more experience (after 30–60</u> <u>interventions had been performed..)</u>

Dati AOUP (base dati SDO 2011-7/2013)

Diagnosi principale Like "154*" Codice procedura Like "486*" Or Like "485*" Or Like "484*" Or Like "4835" and like"5421" or like "003*"

	2011				2012			2013			2011-13								
	tot	lap	rob	APR	tot	lap	rob	APR	tot	lap	rob	APR	tot	la	р	ro	ob	Α	PR
chirurgia Buccianti	64	44	0	10	73	60	0	9	43	39	0	9	180	143	79%	0	0	28	15%
chirurgia A	22	4	8	6	29	3	8	12	19	6	6	4	70	17	24%	20	29%	22	31%
chirurgia B	11	7	0	2	10	4	0	2	3	1	0	0	24	12	50%	0	0	4	17%
chirurgia C	13	6	0	5	10	3	0	1	13	5	0	2	36	14	39%	0	0	8	22%
chirurgia D	18	8	0	1	4	3	0	1	4	4	0	1	26	15	58%	0	0	3	20%
chirurgia E	4	0	0	1	4	0	0	3	2	0	0	0	10	0	0	0	0	4	40%
AOUP	132	69	8	25	130	73	8	28	84	55	6	16	346	201	58%	20	6%	69	20%

Ruolo del team multidisciplinare

International Preoperative Rectal Cancer Management: Staging, Neoadjuvant Treatment, and Impact of Multidisciplinary Teams

Knut M. Augestad · Rolv-Ole Lindsetmo · Jonah Stulberg · Harry Reynolds · Anthony Senagore · Brad Champagne · Alexander G. Heriot · Fabien Leblanc · Conor P. Delaney · International Rectal Cancer Study Group (IRCSG)



2010

Survey involving 123 international experienced colorectal surgeons among the respondents is high: 93% of the responding surgeons have experience with rectal cancer treatment for more than 5 years, and 35% have experience for more than 20 years (Table 2). Thus, in our opinion the respondents

Ruolo del team multidisciplinare

	NCCN USA 2009	World Congress 2007	French Guidelines 2007	Norwegian Guidelines 2008	ESMO 2008	Danish Guidelines 2009			
Neoadjuvant treatment									
[1–2, N0	No neoadjuv	MDTs sign	ificantly inf	luence preop	erative decision-				
	treatment	making (Tab	le 6). Interes	stingly, regula	ar MDT meetings				
F3, N0 or T any, N1–2	RCT	significantly	influence de	ecisions on o	choice of staging	RCT midrectal T3 with CRM			
(stage II or		modality, neoadjuvant treatment, and several other critical							
III)		factors in the	preoperative	planning of	rectal cancer treat-	low rectal T3			
Г4	RCT	ment. We bel	ieve that regu	ular MDT mee	tings will improve	RCT to mid an			
		guideline adl	nerence and o	quality of rec	tal cancer care, as	low T4			
CRM	NA	NA	Radiation or RCT when CRM <1 m	CRM <3 mm RCT	NA	See T3			

NCCN National Comprehensive Cancer Network, ERUS endoscopic rectal ultrasound, CRM circumferential margin, NA no information, RCT chemoradiotherapy

Referto RM strutturato

Esame eseguito con tecnica 2D e 3D previa introduzione rettale di soluzione idrica. Si evidenzia neoformazione rettale di cui si descrivono i seguenti reperti: Sede (retto alto, medio, basso): retto alto Estensione longitudinale: 68mm Coinvolgimento parietale (ore 1-12): circonferenziale Spessore massimo: 12mm Stenosi del lume (<50%; >50%): >50% Distanza tra margine distale della lesione e muscolo pubo-rettale: 67mm Estensione dell'invasione extramurale: 5mm Morfologia infiltrativa (nodulare/infiltrante): infiltrante alle ore 3-4 Distanza minima tra margini extramurali della lesione e fascia mesorettale: 14mm alle ore 4 con adesione alla fascia mesorettale. Rapporti con muscoli elevatori (nessun contatto/contatto/infiltrazione): nessun contatto Rapporti con i vasi extramurali (nessun contatto/contatto/infiltrazione): infiltrazione

N. Linfonodi mesorettali / distanza dalla fascia mesorettale: almeno 3 linfonodi di 1-4mm in sede presacrale

REFERTO ECOGRAFICO STRUTTURATO

Pisa DATA

Sig. COGNOME NOME data di nascita

ECOGRAFIA TRANS RETTALE 3D

Eco rettale eseguito con sonda rotante 360° 2050 ed ecografo Pro Focus BK Medical.

Esame eseguito in decubito laterale sinistro per restadiazione di lesione del retto recentemente sottoposta a trattamento chemio- radioterapico.

A circa 100 mm dal margine anale, a circa 60 mm dal margine superiore del muscolo puborettale, si reperta la neoformazione nota, che si estende cranialmente per circa 30mm da ore 12 a ore 2. La lesione appare interessare la parete del viscere a tutto spessore, con interessamento del tessuto perirettale per circa 3 mm. Si apprezzano multipli linfonodi perilesionali il cui diametro massimo misura 9 mm. uT3bN+

Dr. Riccardo Balestri

Azienda Ospedaliero - Universitaria Pisana U.O. Anatomia ed Istologia Patologica III Universitaria

Direttore: Prof. Fulvio Basolo



Via Roma 57, 56126 Pisa Tel.: segreteria 050-992943; laboratorio 050 993416; sale autoptiche: 050-993024 Fax: 050-992942

REFERTO ISTOLOGICO

Data accettazione:

Esame:

PAZIENTE:

Data di Nascita:

Provenienza: U.O. CHIRURGIA GENERALE - AZIENDA OSPEDALIERO UNIVERSITARIA PISANA

Medico richiedente: DR. BUCCIANTI

MATERIALE PERVENUTO:

1) Retto-sigma

2) Trancia di sezione prossimale

3) Trancia di sezione distale

ESAME MACROSCOPICO:

1) Retto-sigma di 19 cm con neoplasia a placca della parete laterale sinistra e posteriore del retto di 2,2x2 cm a 1,5 cm di distanza dal margine di resezione rettale (TD1-3; TS1-3: macrosezioni). Linfonodi rettali (NR1-2). Linfonodi sigmoidei (NS1-3).

2) Trancia prossimale di 1 cm (A1-2).

3) Trancia distale di 0,6 cm (B1-2).

DIAGNOSI:

Tipo istologico: adenocarcinoma (TD1-3; TS1-3) Grado istologico: moderatamente differenziato (G2). Estensione dell'invasione tumorale: infiltrante il tessuto adiposo periviscerale. Pattern di crescita tumorale: infiltrativo. Invasione vascolare: assente. Invasione perineurale:assente. Tumor budding: presente. Infiltrato linfocitario peritumorale: presente. Infiltrato linfocitario intratumorale: presente. Margini di resezione chirurgica prossimale (A1-2) e distale (B1-2) indenni da infiltrazione neoplastica. Margine radiale non raggiunto dalla neoplasia (distanza minima 1,1 cm) Stato dei linfonodi: dodici linfonodi perirettali (TD1; TD3; TS3; NR1-2) e quindici linfonodi perisigmoidei con iperplasia reattiva (NS1-3). **yT3(G2)N0Mx**

Grado di Quirke II (escissione mesorettale moderata) **Margine radiale indenne** (distanza minima 1,1 cm) **TRG2** (sec. Dworack)

La nostra casistica

242 casi di tumori del retto asportati con tecnica TME (da Marzo 2008 a Aprile 2014)

158 maschi 84 femmine

età media: 66 anni

205 Quirke 3**31** Quirke 2**6** Quirke 1(84.7%)(12.8%)(2.5%)

13 pz con margine circonferenziale raggiunto

Conclusioni

- IL TRATTAMENTO DEL CANCRO DEL RETTO È COMPLESSO E DEVE ESSERE AFFRONTATO SOLO NELL'AMBITO DEI GRUPPI ONCOLOGICI MULTIDISCIPLINARI
- LA CHIRURGIA DEL RETTO È COMPLESSA E DEVE ESSERE VALUTATA NEI RISULTATI INDIPENDENTEMENTE DALLA METODICA USATA
- LA LAPAROSCOPIA NON È INFERIORE ALL'OPEN NEI RISULTATI A BREVE TERMINE

